

<b>Title</b>	Richmond River Floodplain Prioritisation Study
<b>Abstract</b>	The Coastal Floodplain Prioritisation Study covered seven estuaries on the NSW floodplain. The study included an extensive data collection and collation process to improve understanding of the processes and areas that contribute to poor water quality and improve overall floodplain management. The data delivered here includes information on floodplain drainage infrastructure, soil stratigraphy and hydraulic conductivity, sea level rise vulnerability and drain cross sections. The final outcomes of the prioritisation for the Richmond River floodplain with respect to acid and blackwater generation is also provided.
<b>Resource locator</b>	
<a href="#">Richmond River Floodplain Prioritisation Study Data Quality Statement</a>	<p>Name: Richmond River Floodplain Prioritisation Study Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data Quality Statement for the Richmond River Floodplain Prioritisation Study</p> <p>Function: download</p>
<a href="#">Richmond River Floodplain Prioritisation Study</a>	<p>Name: Richmond River Floodplain Prioritisation Study</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>File contains: .shp, .mxd, .mpk, .pdf</p> <p>Function: download</p>
<b>Unique resource identifier</b>	
Code	53cc1d21-336a-4bee-94ca-1784f1a32336
<b>Presentation form</b>	Map digital
<b>Dataset language</b>	English
<b>Metadata standard</b>	
Name	ISO 19115
Edition	2016
<b>Dataset URI</b>	<a href="https://datasets.seed.nsw.gov.au/dataset/53cc1d21-336a-4bee-94ca-1784f1a32336">https://datasets.seed.nsw.gov.au/dataset/53cc1d21-336a-4bee-94ca-1784f1a32336</a>
<b>Purpose</b>	The aims of the study were to develop and apply multi-criteria prioritisation methodologies to rank drainage subcatchments within NSW coastal floodplains by their contribution to acid and blackwater generation and discharge, to determine the subsequent risks to the estuarine waterways, and to guide the future management of coastal floodplains. The purpose of this prioritisation is to establish an evidence-based list of high priority subcatchments to be targeted for on-ground management actions or remediation. The Richmond River Floodplain Prioritisation Study was the application of the method on the Richmond River.
<b>Status</b>	Completed
<b>Spatial representation</b>	
Type	vector
<b>Spatial reference system</b>	
Code	

## Topic category

## Keyword set

keyword value

ECOLOGY-Landscape

BIOPHYSICAL

SOIL-Chemistry

HAZARDS

WATER

WATER-Hydrochemistry

WATER-Hydrology

WATER-Surface

MARINE

MARINE-Estuaries

MARINE-Human-Impacts

CLIMATE-AND-WEATHER-Extreme-weather-events

HAZARDS-Flood

HAZARDS-Severe-local-storms

GEOSCIENCES-Hydrogeology

WATER-Quality

MARINE-Coasts

CLIMATE-AND-WEATHER-Climate-change

HUMAN-ENVIRONMENT-Planning

## Originating controlled vocabulary

Title

ANZLIC Search Words

Reference date

2008-05-16

## Geographic location

West bounding longitude

153.05829

East bounding longitude

153.60422

North bounding latitude

-29.16486

South bounding latitude

-28.71774

## Vertical extent information

Minimum value

-100

Maximum value

2228

## Coordinate reference system

Authority code

urn:ogc:def:cs:EPSG::

Code identifying the coordinate reference system

5711

Temporal extent	
Begin position	
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Not planned
Contact info	
Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact
<p><b>Lineage</b></p> <p>Harrison, A. J., Rayner, D. S., Tucker, T. A., Lumiatti, G., Rahman, P. F., Gilbert, D. &amp; Glamore, W. 2023. Richmond River Floodplain Prioritisation Study WRL TR2020/05. Water Research Laboratory, University of New South Wales. Rayner, D. S., Harrison, A. J., Tucker, T. A., Lumiatti, G., Rahman, P. F., Waddington, K., Juma, D. &amp; Glamore, W. 2023. Coastal Floodplain Prioritisation Study – Background and Methodology WRL TR2020/32. Water Research Laboratory, University of New South Wales.</p> <p>Parent data sources include: Geoscience Australia 5 m DEM derived from lidar DPIE. 2020. eSpade NSW Soil and Land Informatin [Online]. Available: <a href="https://www.environment.nsw.gov.au/eSpade2WebApp">https://www.environment.nsw.gov.au/eSpade2WebApp</a> [Accessed 2019]. DPIE. 2020. eSpade NSW Soil and Land Informatin [Online]. Available: <a href="https://www.environment.nsw.gov.au/eSpade2WebApp">https://www.environment.nsw.gov.au/eSpade2WebApp</a> [Accessed 2019]. Lin, C., Wood, M., Haskins, P., Ryffel, T. &amp; Lin, J. 2004. Controls on water acidification and de-oxygenation in an estuarine waterway, eastern Australia. Estuarine, Coastal and Shelf Science, 61, 55-63. Maher, C. A. 2013. Examining geochemical processes in acid sulphate soils using stable sulphur isotopes. Sammut, J., White, I. &amp; Melville, M. D. 1996. Acidification of an estuarine tributary in eastern Australia due to drainage of acid sulfate soils. Marine &amp; Freshwater Research, 669-684. WRL 2019. Keith Hall Drainage Survey. WRL Letter Report LR20190313. Tucker, T. A., Rayner, D. S. &amp; Lumiatti, G. 2021. Keith Hall Drainage Options Study. Wong, V. N., McNaughton, C. &amp; Pearson, A. 2016. Changes in soil organic carbon fractions after remediation of a coastal floodplain soil. J Environ Manage, 168, 280-7. Hirst, P., Slavich, P., Johnston, S. &amp; Walsh, S. 2009. Assessment of hydraulic conductivity in coastal floodplain acid sulfate soils on the north coast of NSW. Industry &amp; Investment NSW. White, L., Melville, M. D., Wilsor, B. P., Price, C. B. &amp; Willett, L. Understanding acid sulphate soils in canelands. Proceedings of the National Conference on Acid Sulphate Soils, 1993 Coolongatta, Queensland. CSIRO, NSW Agriculture, Tweed Shire Council, Australia, 130-148.</p>	
Limitations on public access	
<p><b>Responsible party</b></p> <p>Contact position                      Data Broker</p> <p>Organisation name                      Department of Primary Industries and Regional Development (DPIRD)</p> <p>Responsible party role                      pointOfContact</p>	

Metadata point of contact	
Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact
Metadata date	2023-10-31T05:36:30.021773
Metadata language	